

93000408_J.txt

Release Notes PN 93000408_J

PortServer TS 8/16 FEP

82000684_H EOS

September 30, 2003

NOTE: When upgrading to a new version of firmware for your PortServer product, please ensure that you are running the most recent POST (Post-On-Self-Test) code as well. For the 82000684_H firmware release this would be the 82000685_D POST. Instructions for upgrading the POST are in ADDITIONAL INFORMATION.

INTRODUCTION

This is a production release of firmware for the PortServer TS 8/16 and TS16 rack.

SUPPORTED PRODUCTS

The code supports the following devices:

PortServer TS 8, 50001208 Revision E and Greater
PortServer TS 16, 50001207 Revision F and Greater
PortServer TS 16 Rack, 50001185 Revision D and Greater

ENHANCEMENTS

The "H" release adds support for:

- New web interface
- Modem emulation/modem pooling feature
- Allow escape key settings for root to be changed
- Allow "set ports show=id" command to be issued by non-root user
- Added a premessage option to "set logins" and "set netlogins"
- Added modbus and lpd daemon to set services option

BUG-FIXES

- Random ports higher than port 8 go into IFC
- Loading of firmware image that is too large is not detected
- SSH client F-secure fails when accessing the PortServer TS
- Using radius for autoconnect fails
- Firmware will cause driver to send out "improper response" messages
- DCD/DTR flow control not functional

ADDITIONAL INFORMATION

Upgrading firmware

The "H" released firmware and "J" release notes are located at
<ftp://ftp.digi.com/support/firmware/psts8-16/>

DPA - Remote and its release notes are located at
<ftp://ftp.digi.com/support/utilities/dpar/>

A TFTP server will be required for the following steps:

Upgrading the POST and FEP

When upgrading from a firmware release prior to 82000684_B, the POST code must be upgraded first. The release history below identifies which versions of firmware are compatible with which versions of POST code. If you are unsure which version of POST you are running, upgrade to the most recent version. The most recent POST code, 82000685_D, is located at <ftp://ftp.digi.com/support/firmware/psts8-16/>. This can be done from the OS with the command:

Load the POST code first with the command:

```
boot load-boot=<tftpserver>:82000685_D.bin
```

A reset is necessary to allow the new POST to run.

```
boot action=reset
```

Upgrade the FEP with the command:

```
boot load=<tftpserver>:82000684_H.bin
```

The unit should be reset after the FEP upgrade as well.

HISTORY

93000408H

2003-04-28

- New look and feel web UI
- Modem emulation/modem pooling features
- RFC 1215 Traps
- Power Management Traps
- DHCP Keppalive
- Serial Idle Timer
- Ability to Use Any Base Socket
- ADDP Protocol Enhancements
- Altip Support with SSH

BUG-FIXES

- SNMP SET operation on destIp field not working
- Public key user authentication not working with PuTTY SSH Client
- Kermit clients were failing telnet negotiation
- Reverse SSH allows users with outgoing=off to connect to ports
- Admin function works erratically from within a menu
- Cannot use HTTPS to unit when SNMP enabled via "set secureaccess"
- Cannot store "ats0=1" in the user profile

93000408G:

2002-11-25

- Baytech Power Management
- RTS Toggle
- Autoconnect supports DNS and stores name instead of IP address
- Reverse telnet adds striplf support
- AES-192 and AES-256 encryption
- Changing rootprompt with 'set login rootprompt=<string>' command
- The POST is now upgradeable through the webUI
- UDP Serial Support

BUG-FIXES

- Setting a wrong ssh public key causes a reboot
- MIO behavior was inconsistent with documentation
- Getty causing crashing on ports 9 and higher

93000408F:

- SNMP traps for successful/unsuccessful login attempts
- Latency option and optimizations
- UDP socket support
- Reverse SSHv2 support
- RADIUS authentication under SSHv2
- Set 10/100 half/full duplex Ethernet operation
- DHCP Client Identifier
- CPConf support under web user-interface

BUG FIXES

- Sending break from PortServer TS 8/16 over RealPort causes SUN box to hang
- Using rlogin to an hp-ux host does not echo "password:"
- If autoconnect fails, the unit prints "Connection failed" even when verbose messaging is disabled

93000408E:

2002-08-15

82000684_D - Production version with feature enhancements

Adds support for:

- TCP Tunnelling
- Autoconnection Enhancements
- DHCP "Infinite Lease" Option

Users should upgrade the POST code to the most recent release,

82000685_C.

This firmware release is not compatible with the 82000685_A version of POST code.

93000408D:

2002-04-08

82000684_C - Production version with feature enhancements.

Adds support for:

- PPP
- Port Buffering
- SSH(SSH2 only)
- Ping/ARP
- Force DCD option (auto connect 3-wire)
- User Data
- ADDP

Users must upgrade the POST code to the most recent release,

82000685_B.

This firmware release is not compatible with the 82000685_A version of POST code.

BUG FIXES

SNMP - CERT Advisory CA-2002-03

93000408B:

2002-02-12

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82000684_B - Adds support for the TS 16 Rack

Users must upgrade the POST code to the most recent, 82000685_B release. This firmware release is not compatible with the 82000685_A version of POST code. Also note the version tracking, such as the v1.0.2 designation used in the 82000684_A firmware release, is not used any more.

BUG FIXES

- Auto connect failed if the network was not up (#8093)
- Web GUI did not have the ability to turn on Auth_Traps (#7990)
- System remains stable after realport connection is dropped (#7655)
- Auto telnet by port did not work (#7572)
- lpd would occasionally truncate print jobs (#7444)

93000408A:
2001-09-05

82000684_A - First Release of firmware, v1.0.2.

This is the initial release of firmware for the PortServer TS. The PortServer TS 8 and PortServer TS 16 are terminal servers that support up to 230 Kbps, as well as http, DHCP, SNMP, and RADIUS.